

EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION

EFFICACY REVIEW-I

ANTIMICROBIAL PROGRAM BRANCH

Date RD Received 02-13-90 Review Start Date 02-13-90

Project Return Date 03-27-90 Review Completion Date 02-13-90

Reviewed by Arnold E. Layne *WEC 2/14/90* Date 02-13-90

EPA Reg. No. or File Symbol 62041-R

EPA Petition or EUP No. NONE

Date EPA Received 12-28-89

Type Product(s) DISINFECTANT WIPE

MRID No(s) 413752-02

Product Mgr. No. 31(LEE)

Product Name(s) New Versatile VIVA Plus Disinfectant Bathroom  
Cleanup Cloths

Company Name(s) Nordico, Inc.

Submission Purpose New application with efficacy data and proposed  
product labeling.

Type Formulation Pregnated cloth/wipe to be used saturated.

Active Ingredient(s) %

N-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)  
Dimethyl Benzyl Ammonium Chloride.....0.48

N-Alkyl (68% C12, 32% C14)  
Dimethyl Ethylbenzyl Ammonium Chloride.....0.48

200.0 Introduction

201.0 Uses:

The proposed product is a single use disinfectant cloth/towelette for use in household bathrooms.

202.0 Background Information:

The submission, received by RD on 2-13-90, is a new application with efficacy data and proposed product labeling.

201.0 Data Summary (MRID #413752-02)

The data report dated June 1, 1989, was prepared by Rudy and Maryanne LaRocca of LaRocca Science Labs, P.O. Box 68, Dumont, N.J. 07628-0068.

201.1 Brief Description of Tests

- a. Modified A.O.A.C. Germicidal Spray Product Test, 14th Ed., 1984.

201.2 Test Summary

1. Method: Modified A.O.A.C. Germicidal Spray Test.
2. Modification: 5% horse serum was added to the bacterial inoculum. Also, refer to the attached protocol describing the wiping procedure.
3. Dilution: Refer to attached protocol.
4. Samples:

<u>Batch</u>	<u>Date Prepared</u>	<u>Test Date</u>
89255	10-28-88	5-16 & 5-18-89
89256	02-22-89	5-22 & 5-23-89
89257	02-22-89	5-25 & 5-26-89

<u>5. Test Bacteria</u>	<u>ATCC</u>	<u>Phenol Res.</u>
<u>Staphylococcus aureus</u>	6538	not listed
<u>Salmonella choleraesuis</u>	10708	not listed

6. Exposure: 30 seconds of wiping, 10 minutes before subculturing.

7. Subculture/Neutralizer: Lethen Broth

8. Incubation: 35°C. for 48 hours.

9. Results:

Batch	Failures/Total Slides		Failures of Lotion	
	<u>S. aureus</u>	<u>S. choler.</u>	<u>S. aureus</u>	<u>S. choler.</u>
89255	0/60	0/60	0/20	0/20
89256	0/60	0/60	0/20	0/20
89257	0/60	0/60	0/20	0/20

Control Carrier Survival After Drying: All organismal counts were  
 $>6.2 \times 10^4$ org.

All other control studies appear adequate.

10. Conclusion:

Results indicate satisfactory performance of the product against Salmonella choleraesuis and Staphylococcus aureus. However, additional information is required to complete the review.